United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street Building 201

Richmond, CA 94804

Subject: **Analytical Testing Results - Project R04S85**
SDG: 04258B

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
PMD-2

To: **Chris Lichens**
Site Cleanup Section 4
SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical OU2 September 2004 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Alkalinity	Anions
Carbon, Total Organic	Nitrogen, Ammonia
Nitrogen, Total Kjeldahl	Perchlorate
Phosphorus, Total	

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens
Project Number: R04S85
Project: Omega Chemical OU2 September 2004 Sampling

Site Cleanup Section 4
75 Hawthorne Street
San Francisco CA, 94105

SDG: 04258B
Reported: 11/04/04 11:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC2-MW4A-W-0-58	0409032-01	Water	09/13/04 10:45	09/14/04 09:40
OC2-MW4B-W-0-59	0409032-02	Water	09/13/04 12:45	09/14/04 09:40
OC2-MW4B-W-1-60	0409032-03	Water	09/13/04 12:45	09/14/04 09:40
OC2-MW4C-W-0-61	0409032-04	Water	09/13/04 14:30	09/14/04 09:40
OC2-MW1B-W-0-62	0409037-01	Water	09/14/04 08:15	09/15/04 10:27
OC2-MW1A-W-0-63	0409037-02	Water	09/14/04 08:50	09/15/04 10:27
OC2-MW2A-W-0-64	0409037-03	Water	09/14/04 09:55	09/15/04 10:27
OC2-MW6A-W-0-65	0409037-04	Water	09/14/04 11:10	09/15/04 10:27
OC2-MW5A-W-0-66	0409037-05	Water	09/14/04 12:30	09/15/04 10:27
OC2-MW9B-W-0-67	0409040-01	Water	09/15/04 08:45	09/16/04 09:52
OC2-MW8B-W-5-69	0409040-02	Water	09/15/04 09:45	09/16/04 09:52
OC2-MW8C-W-0-70	0409040-03	Water	09/15/04 10:40	09/16/04 09:52
OC2-MW8A-W-0-71	0409040-04	Water	09/15/04 11:30	09/16/04 09:52
OC2-MW8D-W-0-72	0409040-05	Water	09/15/04 12:30	09/16/04 09:52
OC2-MW7A-W-0-73	0409047-01	Water	09/16/04 08:00	09/17/04 09:51
OC2-MW7A-W-1-74	0409047-02	Water	09/16/04 08:00	09/17/04 09:51
OC2-MW3A-W-0-75	0409047-03	Water	09/16/04 09:00	09/17/04 09:51
OC2-MW10A-W-0-76	0409047-04	Water	09/16/04 10:00	09/17/04 09:51
OC2-MW11A-W-0-77	0409047-05	Water	09/16/04 10:45	09/17/04 09:51

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409032-01								Water - Sampled: 09/13/04 10:45
Sample ID: OC2-MW4A-W-0-58								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4J0026	10/05/04	10/05/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**3.2**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**450**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**450**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.29**		**0.10**	"	B4I0044	09/14/04	09/14/04	300.0/SOP 530
Chloride	**66**		**10**	"	"	"	09/14/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.55**		**0.10**	"	"	"	09/14/04	300.0/SOP 530
Nitrate as N	**13**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**280**		**5.0**	"	"	"	09/14/04	300.0/SOP 530
Lab ID: 0409032-02								Water - Sampled: 09/13/04 12:45
Sample ID: OC2-MW4B-W-0-59								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**2.9**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**450**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**450**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.32**		**0.10**	"	B4I0044	09/14/04	09/14/04	300.0/SOP 530
Chloride	**73**		**10**	"	"	"	09/14/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.51**		**0.10**	"	"	"	09/14/04	300.0/SOP 530
Nitrate as N	**9.9**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**430**		**5.0**	"	"	"	09/14/04	300.0/SOP 530
Lab ID: 0409032-03								Water - Sampled: 09/13/04 12:45
Sample ID: OC2-MW4B-W-1-60								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**3.5**		**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**3.4**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409032-03								Water - Sampled: 09/13/04 12:45
Sample ID: OC2-MW4B-W-1-60								Alkalinity by Method SM2320
Bicarbonate Alkalinity	**450**		**10**	mg/L	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Total Alkalinity	**450**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.27**		**0.10**	"	B4I0044	09/14/04	09/14/04	300.0/SOP 530
Chloride	**73**		**10**	"	"	"	09/14/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.48**		**0.10**	"	"	"	09/14/04	300.0/SOP 530
Nitrate as N	**9.9**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**430**		**5.0**	"	"	"	09/14/04	300.0/SOP 530
Lab ID: 0409032-04								Water - Sampled: 09/13/04 14:30
Sample ID: OC2-MW4C-W-0-61								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**2.1**		**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**3.5**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**370**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**370**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.30**		**0.10**	"	B4I0044	09/14/04	09/14/04	300.0/SOP 530
Chloride	**72**		**5.0**	"	"	"	09/14/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.77**		**0.10**	"	"	"	09/14/04	300.0/SOP 530
Nitrate as N	**10**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**240**		**2.5**	"	"	"	09/14/04	300.0/SOP 530
Lab ID: 0409037-01								Water - Sampled: 09/14/04 08:15
Sample ID: OC2-MW1B-W-0-62								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**2.0**		**2.0**	mg/L	B4J0026	10/05/04	10/05/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**3.8**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**350**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**350**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.32**		**0.10**	"	B4I0050	09/15/04	09/15/04	300.0/SOP 530
Chloride	**73**		**5.0**	"	"	"	09/15/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.40**		**0.10**	"	"	"	09/15/04	300.0/SOP 530
Nitrate as N	**11**		**0.10**	"	"	"	"	300.0/SOP 530

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Project Manager: Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number: R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project: Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409037-01								Water - Sampled: 09/14/04 08:15
Sample ID: OC2-MW1B-W-0-62								Anions by EPA Method 300.0
o-Phosphate, as P	**ND**	**U**	**1.0**	mg/L	B4I0050	09/15/04	09/15/04	300.0/SOP 530
Sulfate	**170**		**2.5**	"	"	"	09/15/04	300.0/SOP 530
Lab ID: 0409037-02								Water - Sampled: 09/14/04 08:50
Sample ID: OC2-MW1A-W-0-63								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**5.2**		**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**5.2**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**420**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**420**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.34**		**0.10**	"	B4I0050	09/15/04	09/15/04	300.0/SOP 530
Chloride	**110**		**10**	"	"	"	09/15/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.48**		**0.10**	"	"	"	09/15/04	300.0/SOP 530
Nitrate as N	**18**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**190**		**5.0**	"	"	"	09/15/04	300.0/SOP 530
Lab ID: 0409037-03								Water - Sampled: 09/14/04 09:55
Sample ID: OC2-MW2A-W-0-64								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**1.9**	**C1, J**	**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**470**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**470**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.25**		**0.10**	"	B4I0050	09/15/04	09/15/04	300.0/SOP 530
Chloride	**71**		**10**	"	"	"	09/15/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.52**		**0.10**	"	"	"	09/15/04	300.0/SOP 530
Nitrate as N	**11**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**270**		**5.0**	"	"	"	09/15/04	300.0/SOP 530
Lab ID: 0409037-04								Water - Sampled: 09/14/04 11:10
Sample ID: OC2-MW6A-W-0-65								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4J0026	10/05/04	10/05/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590

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Project Number: R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project: Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409037-04								Water - Sampled: 09/14/04 11:10
Sample ID: OC2-MW6A-W-0-65								Conventional Chemistry Parameters by APHA/EPA Methods
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	mg/L	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**4.0**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**490**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**490**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.29**		**0.10**	"	B4I0050	09/15/04	09/15/04	300.0/SOP 530
Chloride	**120**		**10**	"	"	"	09/15/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.56**		**0.10**	"	"	"	09/15/04	300.0/SOP 530
Nitrate as N	**17**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**270**		**5.0**	"	"	"	09/15/04	300.0/SOP 530
Lab ID: 0409037-05								Water - Sampled: 09/14/04 12:30
Sample ID: OC2-MW5A-W-0-66								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4J0026	10/05/04	10/05/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**3.0**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0092	09/22/04	09/22/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**440**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**440**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.28**		**0.10**	"	B4I0050	09/15/04	09/15/04	300.0/SOP 530
Chloride	**110**		**10**	"	"	"	09/15/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.85**		**0.10**	"	"	"	09/15/04	300.0/SOP 530
Nitrate as N	**20**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**310**		**5.0**	"	"	"	09/15/04	300.0/SOP 530
Lab ID: 0409040-01								Water - Sampled: 09/15/04 08:45
Sample ID: OC2-MW9B-W-0-67								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4J0026	10/05/04	10/05/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**4.1**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**410**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**410**		**10**	"	"	"	"	SM2320/SOP560

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409040-01								Water - Sampled: 09/15/04 08:45
Sample ID: OC2-MW9B-W-0-67								Anions by EPA Method 300.0
Fluoride	**0.27**		**0.10**	mg/L	B4I0052	09/16/04	09/16/04	300.0/SOP 530
Chloride	**96**		**10**	"	"	"	09/16/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.36**		**0.10**	"	"	"	09/16/04	300.0/SOP 530
Nitrate as N	**11**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**440**		**5.0**	"	"	"	09/16/04	300.0/SOP 530
Lab ID: 0409040-02								Water - Sampled: 09/15/04 09:45
Sample ID: OC2-MW8B-W-5-69								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**J, Q4, U**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**4.3**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**380**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**380**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.28**		**0.10**	"	B4I0052	09/16/04	09/16/04	300.0/SOP 530
Chloride	**110**		**10**	"	"	"	09/16/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.35**		**0.10**	"	"	"	09/16/04	300.0/SOP 530
Nitrate as N	**12**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**440**		**5.0**	"	"	"	09/16/04	300.0/SOP 530
Lab ID: 0409040-03								Water - Sampled: 09/15/04 10:40
Sample ID: OC2-MW8C-W-0-70								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**0.16**	**C1, J**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**4.1**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**390**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**390**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.29**		**0.10**	"	B4I0052	09/16/04	09/16/04	300.0/SOP 530
Chloride	**110**		**10**	"	"	"	09/16/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.36**		**0.10**	"	"	"	09/16/04	300.0/SOP 530
Nitrate as N	**11**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**450**		**5.0**	"	"	"	09/16/04	300.0/SOP 530

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number: R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project: Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409040-04								Water - Sampled: 09/15/04 11:30
Sample ID: OC2-MW8A-W-0-71								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4J0026	10/05/04	10/05/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**5.7**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**460**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**460**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.29**		**0.10**	"	B4I0052	09/16/04	09/16/04	300.0/SOP 530
Chloride	**140**		**10**	"	"	"	09/16/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**1.0**	"	"	"	"	300.0/SOP 530
Bromide	**0.58**		**0.10**	"	"	"	09/16/04	300.0/SOP 530
Nitrate as N	**15**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**360**		**5.0**	"	"	"	09/16/04	300.0/SOP 530
Lab ID: 0409040-05								Water - Sampled: 09/15/04 12:30
Sample ID: OC2-MW8D-W-0-72								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**1.5**	**C1, J**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**2.0**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**240**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**240**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.43**		**0.10**	"	B4I0052	09/16/04	09/16/04	300.0/SOP 530
Chloride	**71**		**5.0**	"	"	"	09/16/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.26**		**0.10**	"	"	"	09/16/04	300.0/SOP 530
Nitrate as N	**7.1**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**260**		**5.0**	"	"	"	09/16/04	300.0/SOP 530
Lab ID: 0409047-01								Water - Sampled: 09/16/04 08:00
Sample ID: OC2-MW7A-W-0-73								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**4.7**		**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**7.4**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409047-01								Water - Sampled: 09/16/04 08:00
Sample ID: OC2-MW7A-W-0-73								Alkalinity by Method SM2320
Carbonate Alkalinity	**ND**	**U**	**10**	mg/L	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Bicarbonate Alkalinity	**420**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**420**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.27**		**0.10**	"	B4I0062	09/17/04	09/17/04	300.0/SOP 530
Chloride	**110**		**5.0**	"	"	"	09/17/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.63**		**0.10**	"	"	"	09/17/04	300.0/SOP 530
Nitrate as N	**17**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Lab ID: 0409047-01RE1								Water - Sampled: 09/16/04 08:00
Sample ID: OC2-MW7A-W-0-73								Anions by EPA Method 300.0
Sulfate	**600**		**12**	mg/L	B4I0070	09/17/04	09/20/04	300.0/SOP 530
Lab ID: 0409047-02								Water - Sampled: 09/16/04 08:00
Sample ID: OC2-MW7A-W-1-74								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**7.2**		**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**7.4**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**420**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**420**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.24**		**0.10**	"	B4I0062	09/17/04	09/17/04	300.0/SOP 530
Chloride	**110**		**5.0**	"	"	"	09/17/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.66**		**0.10**	"	"	"	09/17/04	300.0/SOP 530
Nitrate as N	**17**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Lab ID: 0409047-02RE1								Water - Sampled: 09/16/04 08:00
Sample ID: OC2-MW7A-W-1-74								Anions by EPA Method 300.0
Sulfate	**600**		**12**	mg/L	B4I0070	09/17/04	09/20/04	300.0/SOP 530
Lab ID: 0409047-03								Water - Sampled: 09/16/04 09:00
Sample ID: OC2-MW3A-W-0-75								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**1.4**	**C1, J**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**0.21**	**C1, J**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**2.4**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409047-03								Water - Sampled: 09/16/04 09:00
Sample ID: OC2-MW3A-W-0-75								Alkalinity by Method SM2320
Carbonate Alkalinity	**ND**	**U**	**10**	mg/L	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Bicarbonate Alkalinity	**500**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**500**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.32**		**0.10**	"	B4I0062	09/17/04	09/17/04	300.0/SOP 530
Chloride	**110**		**5.0**	"	"	"	09/17/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.32**		**0.10**	"	"	"	09/17/04	300.0/SOP 530
Nitrate as N	**5.5**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**200**		**2.5**	"	"	"	09/17/04	300.0/SOP 530
Lab ID: 0409047-04								Water - Sampled: 09/16/04 10:00
Sample ID: OC2-MW10A-W-0-76								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**1.1**	**C1, J**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**3.6**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**360**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**360**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.28**		**0.10**	"	B4I0062	09/17/04	09/17/04	300.0/SOP 530
Chloride	**66**		**2.0**	"	"	"	09/17/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.20**	"	"	"	"	300.0/SOP 530
Bromide	**0.47**		**0.10**	"	"	"	09/17/04	300.0/SOP 530
Nitrate as N	**13**		**0.10**	"	"	"	"	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Sulfate	**360**		**5.0**	"	"	"	09/17/04	300.0/SOP 530
Lab ID: 0409047-05								Water - Sampled: 09/16/04 10:45
Sample ID: OC2-MW11A-W-0-77								Conventional Chemistry Parameters by APHA/EPA Methods
Total Organic Carbon	**ND**	**U**	**2.0**	mg/L	B4I0125	09/27/04	09/27/04	415.1/SOP 550
Ammonia as N	**ND**	**U**	**0.30**	"	B4I0126	09/28/04	09/28/04	351.2/SOP590
Nitrogen, Total Kjeldahl	**ND**	**U**	**0.30**	"	B4I0158	09/30/04	10/01/04	351.2/SOP592
Perchlorate	**5.0**		**2.0**	ug/L	B4J0023	10/05/04	10/05/04	314.0/SOP531
Phosphorus, Total	**ND**	**U**	**0.30**	mg/L	B4I0159	09/30/04	10/01/04	365.4/SOP596
Hydroxide Alkalinity	**ND**	**U**	**10**	"	B4I0127	09/27/04	09/27/04	SM2320/SOP560
Carbonate Alkalinity	**ND**	**U**	**10**	"	"	"	"	SM2320/SOP560
Bicarbonate Alkalinity	**410**		**10**	"	"	"	"	SM2320/SOP560
Total Alkalinity	**410**		**10**	"	"	"	"	SM2320/SOP560
Fluoride	**0.21**		**0.10**	"	B4I0062	09/17/04	09/17/04	300.0/SOP 530
Chloride	**89**		**5.0**	"	"	"	09/17/04	300.0/SOP 530
Nitrite as N	**ND**	**Q9, U**	**0.50**	"	"	"	"	300.0/SOP 530
Bromide	**0.47**		**0.10**	"	"	"	09/17/04	300.0/SOP 530

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 04258B
Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **0409047-05**								Water - Sampled: 09/16/04 10:45
Sample ID: **OC2-MW11A-W-0-77**								Anions by EPA Method 300.0
Nitrate as N	**15**		**0.10**	mg/L	B4I0062	09/17/04	09/17/04	300.0/SOP 530
o-Phosphate, as P	**ND**	**U**	**1.0**	"	"	"	"	300.0/SOP 530
Lab ID: **0409047-05RE1**								Water - Sampled: 09/16/04 10:45
Sample ID: **OC2-MW11A-W-0-77**								Anions by EPA Method 300.0
Sulfate	**630**		**12**	mg/L	B4I0070	09/17/04	09/20/04	300.0/SOP 530

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Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

R9

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
									Prepared & Analyzed: 09/14/04	
Batch B4I0044 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Blank (B4I0044-BLK1)										
Fluoride	ND	U	0.10	mg/L						
Chloride	ND	U	1.0	"						
Nitrite as N	ND	U	0.10	"						
Bromide	ND	U	0.10	"						
Nitrate as N	ND	U	0.10	"						
o-Phosphate, as P	ND	U	1.0	"						
Sulfate	ND	U	0.50	"						
Blank (B4I0044-BLK2)										
Fluoride	ND	U	0.10	mg/L						
Chloride	ND	U	1.0	"						
Nitrite as N	ND	U	0.10	"						
Bromide	ND	U	0.10	"						
Nitrate as N	ND	U	0.10	"						
o-Phosphate, as P	ND	U	1.0	"						
Sulfate	ND	U	0.50	"						
LCS (B4I0044-BS1)										
Fluoride	4.7			mg/L	5.00		94	90-110		
Chloride	9.4			"	9.92		95	90-110		
Nitrite as N	4.8			"	5.00		96	90-110		
Bromide	4.9			"	4.98		98	90-110		
Nitrate as N	4.8			"	4.98		96	90-110		
o-Phosphate, as P	9.5			"	9.96		95	90-110		
Sulfate	9.7			"	9.96		97	90-110		
LCS (B4I0044-BS2)										
Fluoride	4.7			mg/L	5.00		94	90-110		
Chloride	9.4			"	9.92		95	90-110		
Nitrite as N	4.8			"	5.00		96	90-110		
Bromide	4.9			"	4.98		98	90-110		
Nitrate as N	4.8			"	4.98		96	90-110		
o-Phosphate, as P	9.7			"	9.96		97	90-110		
Sulfate	9.7			"	9.96		97	90-110		
Duplicate (B4I0044-DUP1)	**Source: 0409032-02**									
Chloride	73		10	mg/L		73			0	20
Sulfate	430		5.0	"		430			0	20
Matrix Spike (B4I0044-MS1)	**Source: 0409032-02**									
Fluoride	4.7		0.10	mg/L	5.01	0.32	87	70-130		
Bromide	5.1		0.10	"	4.98	0.51	92	70-130		
Nitrate as N	14		0.10	"	4.98	9.9	82	70-130		
o-Phosphate, as P	11		1.0	"	9.95	ND	111	70-130		
Matrix Spike (B4I0044-MS2)	**Source: 0409032-02**									
Nitrite as N	52		1.0	mg/L	50.0	ND	104	70-130		
Matrix Spike Dup (B4I0044-MSD1)	**Source: 0409032-02**									
Fluoride	4.9		0.10	mg/L	5.01	0.32	91	70-130	4	20

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Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
									Prepared & Analyzed: 09/14/04	
Batch B4I0044 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Matrix Spike Dup (B4I0044-MSD1)	**Source: 0409032-02**									
Bromide	5.2		0.10	"	4.98	0.51	94	70-130	2	20
Nitrate as N	14		0.10	"	4.98	9.9	82	70-130	0	20
o-Phosphate, as P	11		1.0	"	9.95	ND	111	70-130	0	20
Matrix Spike Dup (B4I0044-MSD2)	**Source: 0409032-02**									
Nitrite as N	52		1.0	mg/L	50.0	ND	104	70-130	0	20
									Prepared & Analyzed: 09/15/04	
Batch B4I0050 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Blank (B4I0050-BLK1)										
Fluoride	ND	U	0.10	mg/L						
Chloride	ND	U	1.0	"						
Nitrite as N	ND	U	0.10	"						
Bromide	ND	U	0.10	"						
Nitrate as N	ND	U	0.10	"						
o-Phosphate, as P	ND	U	1.0	"						
Sulfate	ND	U	0.50	"						
LCS (B4I0050-BS1)										
Fluoride	4.8			mg/L	5.00		96	90-110		
Chloride	9.7			"	9.92		98	90-110		
Nitrite as N	4.9			"	5.00		98	90-110		
Bromide	5.0			"	4.98		100	90-110		
Nitrate as N	4.9			"	4.98		98	90-110		
o-Phosphate, as P	10			"	9.96		100	90-110		
Sulfate	9.9			"	9.96		99	90-110		
									Prepared & Analyzed: 09/16/04	
Batch B4I0052 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Blank (B4I0052-BLK1)										
Fluoride	ND	U	0.10	mg/L						
Chloride	ND	U	1.0	"						
Nitrite as N	ND	U	0.10	"						
Bromide	ND	U	0.10	"						
Nitrate as N	ND	U	0.10	"						
o-Phosphate, as P	ND	U	1.0	"						
Sulfate	ND	U	0.50	"						
LCS (B4I0052-BS1)										
Fluoride	4.9			mg/L	5.00		98	90-110		
Chloride	9.9			"	9.92		100	90-110		
Nitrite as N	5.0			"	5.00		100	90-110		
Bromide	5.1			"	4.98		102	90-110		
Nitrate as N	5.0			"	4.98		100	90-110		
o-Phosphate, as P	10			"	9.96		100	90-110		
Sulfate	10			"	9.96		100	90-110		
Duplicate (B4I0052-DUP1)	**Source: 0409040-02**									

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Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
									Prepared & Analyzed: 09/16/04	
Batch B4I0052 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Duplicate (B4I0052-DUP1)	**Source: 0409040-02**									
Chloride	110		10	mg/L		110			0	20
Sulfate	440		5.0	"		440			0	20
Matrix Spike (B4I0052-MS1)	**Source: 0409040-02**									
Fluoride	6.6		0.11	mg/L	5.49	0.28	115	70-130		
Bromide	6.6		0.11	"	5.48	0.35	114	70-130		
Nitrate as N	18		0.11	"	5.47	12	110	70-130		
o-Phosphate, as P	13		1.1	"	10.9	ND	119	70-130		
Matrix Spike (B4I0052-MS2)	**Source: 0409040-02**									
Nitrite as N	52		1.0	mg/L	50.0	ND	104	70-130		
Matrix Spike Dup (B4I0052-MSD1)	**Source: 0409040-02**									
Fluoride	6.2		0.11	mg/L	5.49	0.28	108	70-130	6	20
Bromide	6.3		0.11	"	5.48	0.35	109	70-130	5	20
Nitrate as N	18		0.11	"	5.47	12	110	70-130	0	20
o-Phosphate, as P	13		1.1	"	10.9	ND	119	70-130	0	20
Matrix Spike Dup (B4I0052-MSD2)	**Source: 0409040-02**									
Nitrite as N	56		1.0	mg/L	50.0	ND	112	70-130	7	20
									Prepared & Analyzed: 09/17/04	
Batch B4I0062 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Blank (B4I0062-BLK1)										
Fluoride	ND	U	0.10	mg/L						
Chloride	ND	U	1.0	"						
Nitrite as N	ND	U	0.10	"						
Bromide	ND	U	0.10	"						
Nitrate as N	ND	U	0.10	"						
o-Phosphate, as P	ND	U	1.0	"						
Sulfate	ND	U	0.50	"						
LCS (B4I0062-BS1)										
Fluoride	4.8			mg/L	5.00		96	90-110		
Chloride	9.6			"	9.92		97	90-110		
Nitrite as N	4.9			"	5.00		98	90-110		
Bromide	4.9			"	4.98		98	90-110		
Nitrate as N	4.9			"	4.98		98	90-110		
o-Phosphate, as P	9.9			"	9.96		99	90-110		
Sulfate	9.9			"	9.96		99	90-110		
									Prepared & Analyzed: 09/20/04	
Batch B4I0070 - - General Inorganic - Anions									Anions by EPA Method 300.0 - Quality Control	
Blank (B4I0070-BLK1)										
Sulfate	ND	U	0.50	mg/L						
LCS (B4I0070-BS1)										
Sulfate	9.9			mg/L	9.96		99	90-110		

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Project Number:	R04S85	**75 Hawthorne Street**	**Reported:** 11/04/04 11:47
Project:	Omega Chemical OU2 September 2004 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 09/22/04
Batch B4I0092 - - General Inorganic - Alkalinity										Alkalinity by Method SM2320 - Quality Control
Blank (B4I0092-BLK1)										
Hydroxide Alkalinity	ND	U	10	mg/L						
Carbonate Alkalinity	ND	U	10	"						
Bicarbonate Alkalinity	ND	U	10	"						
Total Alkalinity	ND	U	10	"						
LCS (B4I0092-BS1)										
Total Alkalinity	110			mg/L	108		102	85-115		
LCS (B4I0092-BS2)										
Total Alkalinity	9.1	C1, J	10	mg/L	10.0		91	85-115		
										Prepared & Analyzed: 09/27/04
Batch B4I0125 - - General Inorganic - Carbon, Total Organic										Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Blank (B4I0125-BLK1)										
Total Organic Carbon	ND	U	2.0	mg/L						
LCS (B4I0125-BS1)										
Total Organic Carbon	49		2.0	mg/L	50.0		98	90-110		
Matrix Spike (B4I0125-MS1)	**Source: 0409040-02**									
Total Organic Carbon	32	Q4	2.0	mg/L	25.0	ND	128	75-125		
Matrix Spike (B4I0125-MS2)	**Source: 0409047-02**									
Total Organic Carbon	30		2.0	mg/L	25.0	7.2	91	75-125		
Matrix Spike Dup (B4I0125-MSD1)	**Source: 0409040-02**									
Total Organic Carbon	31		2.0	mg/L	25.0	ND	124	75-125	3	20
Matrix Spike Dup (B4I0125-MSD2)	**Source: 0409047-02**									
Total Organic Carbon	28		2.0	mg/L	25.0	7.2	83	75-125	7	20
										Prepared & Analyzed: 09/28/04
Batch B4I0126 - - General Inorganic - Nitrogen, Ammonia										Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Blank (B4I0126-BLK1)										
Ammonia as N	ND	U	0.30	mg/L						
LCS (B4I0126-BS1)										
Ammonia as N	5.0		0.30	mg/L	5.00		100	90-110		
Matrix Spike (B4I0126-MS1)	**Source: 0409032-01**									
Ammonia as N	2.1		0.30	mg/L	2.00	ND	105	75-125		
Matrix Spike (B4I0126-MS2)	**Source: 0409040-02**									
Ammonia as N	2.2		0.30	mg/L	2.00	ND	110	75-125		
Matrix Spike Dup (B4I0126-MSD1)	**Source: 0409032-01**									
Ammonia as N	2.2		0.30	mg/L	2.00	ND	110	75-125	5	20
Matrix Spike Dup (B4I0126-MSD2)	**Source: 0409040-02**									
Ammonia as N	2.1		0.30	mg/L	2.00	ND	105	75-125	5	20
										Prepared & Analyzed: 09/27/04
Batch B4I0127 - - General Inorganic - Alkalinity										Alkalinity by Method SM2320 - Quality Control
Blank (B4I0127-BLK1)										

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 09/27/04
Batch B4I0127 - - General Inorganic - Alkalinity										Alkalinity by Method SM2320 - Quality Control
Blank (B4I0127-BLK1)										
Hydroxide Alkalinity	ND	U	10	mg/L						
Carbonate Alkalinity	ND	U	10	"						
Bicarbonate Alkalinity	ND	U	10	"						
Total Alkalinity	ND	U	10	"						
LCS (B4I0127-BS1)										
Total Alkalinity	110			mg/L	108		102	85-115		
LCS (B4I0127-BS2)										
Total Alkalinity	9.1	C1, J	10	mg/L	10.0		91	85-115		
Duplicate (B4I0127-DUP1)	**Source: 0409040-02**									
Hydroxide Alkalinity	ND	U	10	mg/L		ND				20
Carbonate Alkalinity	ND	U	10	"		ND				20
Bicarbonate Alkalinity	380		10	"		380			0	20
Total Alkalinity	380		10	"		380			0	20
										Prepared: 09/30/04 Analyzed: 10/01/04
Batch B4I0158 - 351.2/365.4 TKN/P - Nitrogen, Total Kjeldahl										Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Blank (B4I0158-BLK1)										
Nitrogen, Total Kjeldahl	ND	U	0.30	mg/L						
LCS (B4I0158-BS1)										
Nitrogen, Total Kjeldahl	8.3		0.30	mg/L	8.00		104	90-110		
Matrix Spike (B4I0158-MS1)	**Source: 0409032-01**									
Nitrogen, Total Kjeldahl	1.7		0.30	mg/L	2.00	ND	85	75-125		
Matrix Spike (B4I0158-MS2)	**Source: 0409040-02**									
Nitrogen, Total Kjeldahl	1.9		0.30	mg/L	2.00	ND	95	75-125		
Matrix Spike Dup (B4I0158-MSD1)	**Source: 0409032-01**									
Nitrogen, Total Kjeldahl	1.6		0.30	mg/L	2.00	ND	80	75-125	6	20
Matrix Spike Dup (B4I0158-MSD2)	**Source: 0409040-02**									
Nitrogen, Total Kjeldahl	1.8		0.30	mg/L	2.00	ND	90	75-125	5	20
										Prepared: 09/30/04 Analyzed: 10/01/04
Batch B4I0159 - 351.2/365.4 TKN/P - Phosphorus, Total										Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Blank (B4I0159-BLK1)										
Phosphorus, Total	ND	U	0.30	mg/L						
LCS (B4I0159-BS1)										
Phosphorus, Total	5.0		0.30	mg/L	5.00		100	90-110		
Matrix Spike (B4I0159-MS1)	**Source: 0409032-01**									
Phosphorus, Total	2.0		0.30	mg/L	2.00	ND	100	75-125		
Matrix Spike (B4I0159-MS2)	**Source: 0409040-02**									
Phosphorus, Total	2.0		0.30	mg/L	2.00	ND	100	75-125		
Matrix Spike Dup (B4I0159-MSD1)	**Source: 0409032-01**									
Phosphorus, Total	2.0		0.30	mg/L	2.00	ND	100	75-125	0	20
Matrix Spike Dup (B4I0159-MSD2)	**Source: 0409040-02**									

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
								Prepared: 09/30/04 Analyzed: 10/01/04		
Batch B4I0159 - 351.2/365.4 TKN/P - Phosphorus, Total								Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control		
Matrix Spike Dup (B4I0159-MSD2)	**Source: 0409040-02**									
Phosphorus, Total	2.0		0.30	mg/L	2.00	ND	100	75-125	0	20
								Prepared & Analyzed: 10/05/04		
Batch B4J0023 - - General Inorganic - Perchlorate								Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control		
Blank (B4J0023-BLK1)										
Perchlorate	ND	U	2.0	ug/L						
LCS (B4J0023-BS1)										
Perchlorate	10			ug/L	10.0		100	85-115		
Matrix Spike (B4J0023-MS2)	**Source: 0409040-02**									
Perchlorate	14		2.0	ug/L	10.0	4.3	97	80-120		
Matrix Spike Dup (B4J0023-MSD2)	**Source: 0409040-02**									
Perchlorate	14		2.0	ug/L	10.0	4.3	97	80-120	0	15
								Prepared & Analyzed: 10/05/04		
Batch B4J0026 - - General Inorganic - Carbon, Total Organic								Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control		
Blank (B4J0026-BLK1)										
Total Organic Carbon	ND	U	2.0	mg/L						
LCS (B4J0026-BS1)										
Total Organic Carbon	51		2.0	mg/L	50.0		102	90-110		

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Qualifiers and Comments

Q9	The quantitation limit was raised for this analyte due to interference from other analytes.
Q4	The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)
J	The reported result for this analyte should be considered an estimated value.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported